15 January 1997

OPTICS COMMUNICATIONS

ELSEVIER

Optics Communications 134 (1997) 615–623

Author index to volume 134

Acef, O., Metrological properties of CO_2/OsO_4 optical frequency standard 134 (1997) 479
Anderson, D.Z., see Vorontsov, M.A. 134 (1997) 191
Asakura, T., see Wada, N. 134 (1997) 264
Assanto, G., see Leo, G. 134 (1997) 223

Badziak, J., S.A. Chizhov, A.A. Kozlov, J. Makowski, M. Paduch, K. Tomaszewski, A.B. Vankov and V.E. Yashin, Picosecond, terawatt, all-Nd:glass CPA laser system 134 (1997) 495
Baev, V.M., see Böhm, R. 134 (1997) 537
Bakonyi, Z., see Szatmári, S. 134 (1997) 199
Barbé, R., see Gorris-Neveux, M. 134 (1997) 85
Bartuch, U., U. Peschel, Th. Gabler, R. Waldhäusl and H.-H. Hörhold, Experimental investigations and numerical simulations of spatial solitons in planar polymer waveguides 134 (1997) 49
Bennion, I., see Brady, G.P. 134 (1997) 341
Bernage, P., see Xie, W.X. 134 (1997) 36
Berthié, M.L., see Schwarz, U. 134 (1997) 301
Bhatnagar, R., see Dixit, S.K. 134 (1997) 149
Biaggio, I., see Delaye, Ph. 134 (1997) 580
Bicchi, P., see Mariotti, E. 134 (1997) 121
Bielefeldt, H., see Schwarz, U. 134 (1997) 301
Bliss, D.F., see Chauvet, M. 134 (1997) 211
Blow, K.J., R.J. Manning and A.J. Poustie, Nonlinear optical loop mirrors with feedback and a slow nonlinearity 134 (1997) 43
Böhm, R., V.M. Baev and P.E. Toschek, Measurements of operation parameters and nonlinearity of a Nd^{3+}-doped fibre laser by relaxation oscillations 134 (1997) 537
Bollanti, S., P. Di Lazzaro and D. Murra, How many times is a laser beam diffraction-limited? 134 (1997) 503
Boulard, B., see Xie, W.X. 134 (1997) 36
Brady, G.P., K. Kalli, D.J. Webb, D.A. Jackson, L. Zhang and I. Bennion, Extended-range, low coherence dual wavelength interferometry using a superfluorescent fibre source and chirped fibre Bragg gratings 134 (1997) 341
Breugnot, S., M. Defour and J.P. Huignard, Photorefractive two-wave mixing: complex amplitudes solutions in the case of a weak signal beam 134 (1997) 599
Bryant, G., see Chauvet, M. 134 (1997) 211

Chai, B.H., see Russell, D.L. 134 (1997) 398
Chang, C.-W. and S. Chi, Passive mode-locking through nonlinear polarization rotation in low-birefringence fibers 134 (1997) 218

Chauvet, M., T. Towe, G.J. Salamo, D.F. Bliss, G. Bryant and G. Iseler, Phase shift between index and intensity patterns in photorefractive two-wave mixing experiments in InP:Fe 134 (1997) 211
Chi, S., see Chang, C.-W. 134 (1997) 218
Chizhov, A.V., see Paris, M.G.A. 134 (1997) 117
Chizhov, S.A., see Badziak, J. 134 (1997) 495
Christ, M., see Schiffer, M. 134 (1997) 423
Chu, A.P., K.S. Johnson and M.G. Prentiss, A virtual amplitude grating for atomic optics 134 (1997) 105
Chu, P.L., see Hatami-Hanza, H. 134 (1997) 59
Clarkson, W.A., see Koch, R. 134 (1997) 175
Courjon, D., see Schwarz, U. 134 (1997) 301

Da Costa, A., see Xie, W.X. 134 (1997) 36
Danzmann, K., see Wicht, A. 134 (1997) 431
Daulatabad, S.R., see Dixit, S.K. 134 (1997) 149
Defour, M., see Breugnot, S. 134 (1997) 599
Delaye, Ph., L.A. de Montmorillon, I. Biaggio, J.C. Launay and G. Roosen, Wavelength dependent effective trap density in CdTe: evidence for the presence of two photorefractive species 134 (1997) 580
de Montmorillon, L.A., see Delaye, Ph. 134 (1997) 580
Di Lazzaro, P., see Bollanti, S. 134 (1997) 503
Ding, P.-J., see Wang, K.-M. 134 (1997) 55
Ding, Y., see Juodkazis, S. 134 (1997) 227
Dirksen, D., F. Matthes, S. Riehemann and G. von Bally, Phase shifting holographic double exposure interferometry with fast photorefractive crystals 134 (1997) 310
Dixit, S.K., S.R. Daulatabad, P.K. Shukla and R. Bhatnagar, Diffraction filtered resonator for Rh6G dye laser transversely pumped by a copper vapor laser 134 (1997) 149
Djurišić, A.B., J.M. Elazar and A.D. Rakić, Modeling the optical constants of solids using genetic algorithms with parameter space size adjustment 134 (1997) 407
Douay, M., see Xie, W.X. 134 (1997) 36
Ducloy, M., see Gorris-Neveux, M. 134 (1997) 85

Ebrahimzadeh, M., see McGowan, C. 134 (1997) 186
Eichler, H.J., see Juodkazis, S. 134 (1997) 227
Eirola, T., see Saarikoski, H. 134 (1997) 362
Elazar, J.M., see Djurišić, A.B. 134 (1997) 407
Enderlein, J. and R. Erdmann, Fast fitting of multi-exponential decay curves 134 (1997) 371
Erdmann, R., see Enderlein, J. 134 (1997) 371
Ertmer, W., see Schiffer, M. 134 (1997) 423

Ficek, Z. and M.R.B. Wahiddin, Pure two-atom squeezed state in spontaneous emission from two non-identical atoms 134 (1997) 387
Fichet, M., see Gorris-Neveux, M. 134 (1997) 85
Fiorentino, M., P. Maddalena, A. Porzio, R. Romano and S. Solimeno, Low frequency spectrum of vacuum squeezed radiation to be used in GW antennas 134 (1997) 463
Fleischhauer, M., see Wicht, A. 134 (1997) 431
Franco, M., see Ripoche, J.-F. 134 (1997) 165
Freilikher, V., see Ogura, H. 134 (1997) 1

Gabitov, I., E.G. Shapiro and S.K. Turitsyn, Optical pulse dynamics in fiber links with dispersion compensation 134 (1997) 317
Gabler, Th., see Bartuch, U. 134 (1997) 49
Gao, Y., see Xie, W.X. 134 (1997) 36
García-Ramos, J.V., see Sánchez-Gil, J.A. 134 (1997) 11
Gavrielides, A., see Peterson, P. 134 (1997) 155
Gazengel, J., see Vaudelle, F. 134 (1997) 559
Gevorkyan, S.T., G.Yu. Kryuchkyan and K.V. Kheruntsyan, Noise, instability and squeezing in third harmonic generation 134 (1997) 440
Giesen, A., see Plass, W. 134 (1997) 21
Gorris-Neveux, M., P. Monnot, M. Fichet, M. Ducloy, R. Barbé and J.C. Keller, Doppler-free reflection spectroscopy of rubidium D_1 line in optically dense vapour 134 (1997) 85
Gower, M.C., see Turcu, I.C.E. 134 (1997) 66
Griebner, U., see Koch, R. 134 (1997) 175
Grillon, G., see Ripoche, J.-F. 134 (1997) 165
Grossetie, J.-C., see Morucci, S. 134 (1997) 25
Gruner, T. and D.-G. Welsch, Photon tunneling through absorbing dielectric barriers 134 (1997) 447

Hamlin, S.J., see Koch, R. 134 (1997) 175
Hanke, Th., see Rückmann, I. 134 (1997) 379
Hanna, D.C., see Koch, R. 134 (1997) 175
Hanna, D.C., see Pask, H.M. 134 (1997) 139
Hatami-Hanza, H., P.L. Chu, B.A. Malomed and G.D. Peng, Soliton compression and splitting in double-core nonlinear optical fibers 134 (1997) 59
Haus, J.W., see Theimer, J. 134 (1997) 161
Henderson, B., see Russell, D.L. 134 (1997) 398
Hernández, F.E., A. Marcano O and H. Maillotte, Sensitivity of the total beam profile distortion Z-scan for the measurement of nonlinear refraction 134 (1997) 529
Holliday, K., see Russell, D.L. 134 (1997) 398
Hörhold, H.-H., see Bartuch, U. 134 (1997) 49
Hou, F., see Li, Y. 134 (1997) 591
Hsu, C.S., see Huang, S.L. 134 (1997) 171
Huang, S.L., F.J. Kao, L.R. Liu and C.S. Hsu, Frequency-offsetted cavity-length control loop in a diode-laser-pumped and actively mode-locked Nd:YLF laser 134 (1997) 171
Huignard, J.P., see Breugnot, S. 134 (1997) 599
Huntington, P., see Turcu, I.C.E. 134 (1997) 66

Inouye, Y. and S. Kawata, Reflection-mode near-field optical microscope with a metallic probe tip for observing fine structures in semiconductor materials 134 (1997) 31
Iseler, G., see Chauvet, M. 134 (1997) 211
Itatani, J., Y. Nabekawa, K. Kondo and S. Watanabe, Generation of 13-TW, 26-fs pulses in a Ti:sapphire laser 134 (1997) 134

Jackson, D.A., see Brady, G.P. 134 (1997) 341
Jacoboni, C., see Xie, W.X. 134 (1997) 36
Jahns, J., see Lunitz, B. 134 (1997) 281
Jeannès, F., E. Lugagne-Delpon, C. Tanguy and J.L. Oudar, Nonlinear optical and bistable properties of a wafer-fused vertical-cavity device based on InGaAsP 134 (1997) 607

Jiang, S., see Koch, R. 134 (1997) 175
Johnson, K.S., see Chu, A.P. 134 (1997) 105
Juodkazis, S., V. Netiksis, M. Petrauskas, H.J. Eichler, B. Smandek and Y. Ding, Contactless determination of the dominant photorefractive mobile charge by comparing cw and ps two-wave mixing 134 (1997) 227

Kalli, K., see Brady, G.P. 134 (1997) 341
Kao, F.J., see Huang, S.L. 134 (1997) 171
Kavehrad, M., see Simova, E. 134 (1997) 330
Kawata, S., see Inouye, Y. 134 (1997) 31
Keller, J.C., see Gorris-Neveux, M. 134 (1997) 85
Kheruntsyan, K.V., see Gevorkyan, S.T. 134 (1997) 440
Klehr, A., U. Mertingk, R. Müller and R. Oberschmid, Influence of external optical feedback on polarization switching in InGaAsP/InP lasers 134 (1997) 179
Koch, R., W.A. Clarkson, D.C. Hanna, S. Jiang, M.J. Myers, D. Rhonehouse, S.J. Hamlin, U. Griebner and H. Schönnagel, Efficient room temperature cw Yb:glass laser pumped by a 946 nm Nd:YAG laser 134 (1997) 175
Kondo, K., see Itatani, J. 134 (1997) 134
Kong, M.G., Enhanced amplification of a waveguide free electron laser prebunched at multiharmonic frequencies 134 (1997) 487
Konz, E., G. Marowsky and H.-G. Rubahn, Two-photon four-wave mixing as a new probe for oxygen atoms 134 (1997) 75
Korneev, N., P. Rodríguez and S. Stepanov, 2D pattern matching with adaptive photodetectors 134 (1997) 514
Korth, O., see Rückmann, I. 134 (1997) 379
Kozlov, A.A., see Badziak, J. 134 (1997) 495
Kryuchkyan, G.Yu., see Gevorkyan, S.T. 134 (1997) 440
Kuhl, J., see Ludwig, C. 134 (1997) 95

Langbein, U., see Thoma, F. 134 (1997) 16
Lange, R., see Ripoche, J.-F. 134 (1997) 165
Launay, J.C., see Delaye, Ph. 134 (1997) 580
Lecoeuche, V., B. Ségard and J. Zemmouri, Modes of destabilization of Brillouin fiber ring lasers 134 (1997) 547
Leo, G., G. Assanto and W.E. Torruellas, Beam pointing control with spatial solitary waves in quadratic nonlinear media 134 (1997) 223
Li, G., see Wang, F. 134 (1997) 195
Li, G.-X., see Zhou, P. 134 (1997) 455
Li, Y., F. Hou, S. Liu, W. Sun and K. Xu, Photorefractive properties with multiple traps and two types of charge carriers in doped KNSBN crystals 134 (1997) 591
Liu, L., see Wang, F. 134 (1997) 195
Liu, L.R., see Huang, S.L. 134 (1997) 171
Liu, S., see Li, Y. 134 (1997) 591
Liu, Y.-G., see Wang, K.-M. 134 (1997) 55
Lu, F., see Wang, K.-M. 134 (1997) 55
Ludwig, C., J. Kuhl and J.O. White, Complex dielectric function of $NdGaO_3$ in the THz frequency regime 134 (1997) 95

Lugagne-Delpon, E., see Jeannès, F. 134 (1997) 607
Lunitz, B. and J. Jahns, Tolerant design of a planar-optical clock distribution system 134 (1997) 281

Maddalena, P., see Fiorentino, M. 134 (1997) 463
Madrazo, A. and A.A. Maradudin, Numerical solutions of the reduced Rayleigh equation for the scattering of electromagnetic waves from rough dielectric films on perfectly conducting substrates 134 (1997) 251
Maestle, R., see Plass, W. 134 (1997) 21
Maillotte, H., see Hernández, F.E. 134 (1997) 529
Makowski, J., see Badziak, J. 134 (1997) 495
Malomed, B.A., see Hatami-Hanza, H. 134 (1997) 59
Manning, R.J., see Blow, K.J. 134 (1997) 43
Maradudin, A.A., see Madrazo, A. 134 (1997) 251
Marcano O, A., see Hernández, F.E. 134 (1997) 529
Marinelli, C., see Mariotti, E. 134 (1997) 121
Mariotti, E., M. Meucci, P. Bicchi, C. Marinelli and L. Moi, An efficient photo-atom source 134 (1997) 121
Marowsky, G., see Konz, E. 134 (1997) 75
Matthes, F., see Dirksen, D. 134 (1997) 310
McGowan, C., D.T. Reid, M. Ebrahimzadeh and W. Sibbett, Femtosecond pulses tunable beyond 4 μm from a KTA-based optical parametric oscillator 134 (1997) 186
Meeten, G.H., Refraction by spherical particles in the intermediate scattering region 134 (1997) 233
Méndez, E.R., see Mendoza-Suárez, A. 134 (1997) 241
Mendoza-Suárez, A. and E.R. Méndez, Derivation of an impedance boundary condition for one-dimensional, curved, reentrant surfaces 134 (1997) 241
Meng, M.-Q., see Wang, K.-M. 134 (1997) 55
Mertingk, U., see Klehr, A. 134 (1997) 179
Meucci, M., see Mariotti, E. 134 (1997) 121
Millán, M.S., see Pérez, E. 134 (1997) 273
Mittler-Neher, S., see Thoma, F. 134 (1997) 16
Moi, L., see Mariotti, E. 134 (1997) 121
Monerie, M., see Xie, W.X. 134 (1997) 36
Monnot, P., see Gorris-Neveux, M. 134 (1997) 85
Morucci, S., P. Noirard and J.-C. Grossetie, Improvement of Fresnel computer-generated holograms 134 (1997) 25
Müller, G., see Wicht, A. 134 (1997) 431
Müller, R., see Klehr, A. 134 (1997) 179
Murra, D., see Bollanti, S. 134 (1997) 503
Myers, M.J., see Koch, R. 134 (1997) 175
Mysyrowicz, A., see Ripoche, J.-F. 134 (1997) 165

Nabekawa, Y., see Itatani, J. 134 (1997) 134
Nakamura, K., see Ninomiya, H. 134 (1997) 521
Netiksis, V., see Juodkazis, S. 134 (1997) 227
Niay, P., see Xie, W.X. 134 (1997) 36
Nicholls, J.F.H., see Russell, D.L. 134 (1997) 398
Ninomiya, H. and K. Nakamura, Ar_2^* excimer emission from a pulsed electric discharge in pure Ar gas 134 (1997) 521

Niu, X., see Zhu, Y. 134 (1997) 205
Noirard, P., see Morucci, S. 134 (1997) 25

Oberschmid, R., see Klehr, A. 134 (1997) 179
Ogura, H., Z.L. Wang, Y. Sasakura and V. Freilikher, Localization of surface plasmon waves on the surface of a random rough metallic grating with a narrow-band spectrum 134 (1997) 1
Opatrný, T., D.-G. Welsch and W. Vogel, Multi-mode density matrices of light via amplitude and phase control 134 (1997) 112
Oudar, J.L., see Jeannès, F. 134 (1997) 607

Paduch, M., see Badziak, J. 134 (1997) 495
Paris, M.G.A., A.V. Chizhov and O. Steuernagel, Phase space distributions from three-port couplers 134 (1997) 117
Pask, H.M., A.C. Tropper and D.C. Hanna, A Pr^{3+}-doped ZBLAN fibre upconversion laser pumped by an Yb^{3+}-doped silica fibre laser 134 (1997) 139
Peet, V.E. and R.V. Tsubin, Multiphoton ionization and optical breakdown of xenon in annular laser beams 134 (1997) 69
Peng, G.D., see Hatami-Hanza, H. 134 (1997) 59
Peng, J.-S., see Zhou, P. 134 (1997) 455
Pérez, E. and M.S. Millán, Adaptive channel selection for improving chromatic discrimination in colour pattern recognition 134 (1997) 273
Peschel, U., see Bartuch, U. 134 (1997) 49
Peterson, P., M.P. Sharma and A. Gavrielides, Modeling of Yb:YAG tuning curves 134 (1997) 155
Petrauskas, M., see Juodkazis, S. 134 (1997) 227
Petrauskas, M., see Rückmann, I. 134 (1997) 379
Petrossian, K.G., Quantum theory of the nondegenerate parametric $\chi^{(3)}$-interaction 134 (1997) 99
Petrov, M.P., V.M. Petrov, I.S. Zouboulis and L.P. Xu, Two-wave and induced three-wave mixing on a thin $Bi_{12}TiO_{20}$ hologram 134 (1997) 569
Petrov, V.M., see Petrov, M.P. 134 (1997) 569
Piskarskas, A., A. Stabinis and V. Vaičaitis, Four-photon parametric superfluorescence in sodium vapour under multibeam noncollinear pumping 134 (1997) 80
Plass, W., R. Maestle, K. Wittig, A. Voss and A. Giesen, High-resolution knife-edge laser beam profiling 134 (1997) 21
Poignant, H., see Xie, W.X. 134 (1997) 36
Popov, I.A., N.V. Sidorovsky and L.M. Veselov, Statistical properties of non-Gaussian intensity fluctuations in the image plane of an optical system 134 (1997) 289
Porzio, A., see Fiorentino, M. 134 (1997) 463
Poustie, A.J., see Blow, K.J. 134 (1997) 43
Prade, B., see Ripoche, J.-F. 134 (1997) 165
Prentiss, M.G., see Chu, A.P. 134 (1997) 105

Rakić, A.D., see Djurišić, A.B. 134 (1997) 407
Ramecourt, D., see Xie, W.X. 134 (1997) 36
Reid, D.T., see McGowan, C. 134 (1997) 186
Reyes, J.A. and R.F. Rodríguez, Guiding of optical fields in a liquid crystal cylindrical fiber 134 (1997) 349
Rhonehouse, D., see Koch, R. 134 (1997) 175
Riehemann, S., see Dirksen, D. 134 (1997) 310

Rinkleff, R.-H., see Wicht, A. 134 (1997) 431
Ripoche, J.-F., B. Prade, M. Franco, G. Grillon, R. Lange and A. Mysyrowicz, Determination of the duration of UV femtosecond pulses 134 (1997) 165
Rivoire, G., see Vaudelle, F. 134 (1997) 559
Röder, B., see Rückmann, I. 134 (1997) 379
Rodríguez, P., see Korneev, N. 134 (1997) 514
Rodríguez, R.F., see Reyes, J.A. 134 (1997) 349
Romano, R., see Fiorentino, M. 134 (1997) 463
Roosen, G., see Delaye, Ph. 134 (1997) 580
Rubahn, H.-G., see Konz, E. 134 (1997) 75
Rückmann, I., M. Petrauskas, O. Korth, Th. Hanke and B. Röder, Picosecond transient absorption spectroscopy on 13^2-hydroxy-bacteriopheophorbide-methylester (OH–BPME) molecules in solution and embedded in mixed Langmuir–Blodgett films 134 (1997) 379
Russell, D.L., B. Henderson, B.H. Chai, J.F.H. Nicholls and K. Holliday, Site selective upconversion in Nd^{3+}:$KLiYF_5$ 134 (1997) 398

Saarikoski, H., R.-P. Salmio, J. Saarinen, T. Eirola and A. Tervonen, Fast numerical solution of nonlinear diffusion equation for the simulation of ion-exchanged micro-optics components in glass 134 (1997) 362
Saarinen, J., see Saarikoski, H. 134 (1997) 362
Salamo, G.J., see Chauvet, M. 134 (1997) 211
Salashchenko, N.N. and E.A. Shamov, Short-period X-ray multilayers based on Cr/Sc 134 (1997) 7
Salmio, R.-P., see Saarikoski, H. 134 (1997) 362
Sánchez-Gil, J.A. and J.V. García-Ramos, Strong surface field enhancements in the scattering of p-polarized light from fractal metal surfaces 134 (1997) 11
Sasakura, Y., see Ogura, H. 134 (1997) 1
Schiffer, M., M. Christ, G. Wokurka and W. Ertmer, Temperatures near the recoil limit in an atomic funnel 134 (1997) 423
Schönnagel, H., see Koch, R. 134 (1997) 175
Schwarz, U., M.L. Berthié, D. Courjon and H. Bielefeldt, Simple reflection Scanning Near-field Optical Microscope using the back reflected light inside the laser cavity as detection mode 134 (1997) 301
Scully, M., see Wicht, A. 134 (1997) 431
Ségard, B., see Lecoeuche, V. 134 (1997) 547
Serafetinides, A.A., see Tsikrikas, G.N. 134 (1997) 145
Shamov, E.A., see Salashchenko, N.N. 134 (1997) 7
Shapiro, E.G., see Gabitov, I. 134 (1997) 317
Sharma, M.P., see Peterson, P. 134 (1997) 155
Shukla, P.K., see Dixit, S.K. 134 (1997) 149
Sibbett, W., see McGowan, C. 134 (1997) 186
Sidorovsky, N.V., see Popov, I.A. 134 (1997) 289
Simon, P., see Szatmári, S. 134 (1997) 199
Simova, E., M. Kavehrad and K. Stoev, Wavelength demultiplexing by chirped waveguide gratings 134 (1997) 330
Smandek, B., see Juodkazis, S. 134 (1997) 227
Solimeno, S., see Fiorentino, M. 134 (1997) 463
Stabinis, A., see Piskarskas, A. 134 (1997) 80
Stepanov, S., see Korneev, N. 134 (1997) 514

Steuernagel, O., see Paris, M.G.A. 134 (1997) 117
Stoev, K., see Simova, E. 134 (1997) 330
Sun, W., see Li, Y. 134 (1997) 591
Swain, S., see Zhou, P. 134 (1997) 127
Swain, S., see Zhou, P. 134 (1997) 455
Szatmári, S., Z. Bakonyi and P. Simon, Active spatial filtering of laser beams 134 (1997) 199

Tanguy, C., see Jeannès, F. 134 (1997) 607
Taunay, T., see Xie, W.X. 134 (1997) 36
Tervonen, A., see Saarikoski, H. 134 (1997) 362
Theimer, J. and J.W. Haus, Dispersion balanced figure-eight laser 134 (1997) 161
Thoma, F., U. Langbein and S. Mittler-Neher, Waveguide scattering microscopy 134 (1997) 16
Tingjie, Z., see Zundu, L. 134 (1997) 415
Tomaszewski, K., see Badziak, J. 134 (1997) 495
Torruellas, W.E., see Leo, G. 134 (1997) 223
Toschek, P.E., see Böhm, R. 134 (1997) 537
Towe, T., see Chauvet, M. 134 (1997) 211
Tropper, A.C., see Pask, H.M. 134 (1997) 139
Tsikrikas, G.N. and A.A. Serafetinides, Discharge and circuit simulation of a plasma cathode TEA HF laser operating with a $He/SF_6/C_3H_8$ gas mixture 134 (1997) 145
Tsubin, R.V., see Peet, V.E. 134 (1997) 69
Turcu, I.C.E., M.C. Gower and P. Huntington, Measurement of KrF laser breakdown threshold in gases 134 (1997) 66
Turitsyn, S.K., see Gabitov, I. 134 (1997) 317

Uozumi, J., see Wada, N. 134 (1997) 264

Vaičaitis, V., see Piskarskas, A. 134 (1997) 80
Vankov, A.B., see Badziak, J. 134 (1997) 495
Vaudelle, F., J. Gazengel and G. Rivoire, Experimental studies of the spatial coherence of forward stimulated Raman scattering in dense materials 134 (1997) 559
Veselov, L.M., see Popov, I.A. 134 (1997) 289
Vogel, W., see Opatrný, T. 134 (1997) 112
von Bally, G., see Dirksen, D. 134 (1997) 310
Vorontsov, M.A., M. Zhao and D.Z. Anderson, Nonlinear dynamics of a 2D feedback system with photorefractive gain 134 (1997) 191
Voss, A., see Plass, W. 134 (1997) 21

Wada, N., J. Uozumi and T. Asakura, Optical evaluation of fractal surfaces using array illumination 134 (1997) 264
Wahiddin, M.R.B., see Ficek, Z. 134 (1997) 387
Waldhäusl, R., see Bartuch, U. 134 (1997) 49
Wang, F., L. Liu and G. Li, Self-pumped forward and backward phase conjugator with Cu-doped KNSBN crystal: caused by scattering-oscillation-amplification 134 (1997) 195
Wang, K.-M., M.-Q. Meng, F. Lu, X. Wang, W. Wang, P.-J. Ding and Y.-G. Liu, Analysis of refractive index profile in $KTiOPO_4$ waveguide formed by 3.0 MeV He^+ implantation 134 (1997) 55
Wang, W., see Wang, K.-M. 134 (1997) 55

Wang, X., see Wang, K.-M. 134 (1997) 55
Wang, Z.L., see Ogura, H. 134 (1997) 1
Watanabe, S., see Itatani, J. 134 (1997) 134
Webb, D.J., see Brady, G.P. 134 (1997) 341
Welsch, D.-G., see Gruner, T. 134 (1997) 447
Welsch, D.-G., see Opatrný, T. 134 (1997) 112
White, J.O., see Ludwig, C. 134 (1997) 95
Wicht, A., K. Danzmann, M. Fleischhauer, M. Scully, G. Müller and R.-H. Rinkleff, White-light cavities, atomic phase coherence, and gravitational wave detectors 134 (1997) 431
Wittig, K., see Plass, W. 134 (1997) 21
Wokurka, G., see Schiffer, M. 134 (1997) 423
Wu, X., see Zhu, Y. 134 (1997) 205

Xie, W.X., P. Bernage, D. Ramecourt, M. Douay, T. Taunay, P. Niay, B. Boulard, Y. Gao, C. Jacoboni, A. Da Costa, H. Poignant and M. Monerie, UV induced permanent gratings in Ce^{3+} or Eu^{2+} doped PZG glass thin-film waveguides deposited on CaF_2 substrates 134 (1997) 36
Xu, K., see Li, Y. 134 (1997) 591
Xu, L.P., see Petrov, M.P. 134 (1997) 569
Xueyuan, C., see Zundu, L. 134 (1997) 415

Yashin, V.E., see Badziak, J. 134 (1997) 495
Yu, W. and J. Zhang, An estimate of resonance absorption of picosecond laser pulses by fibre targets 134 (1996) 91

Zemmouri, J., see Lecoeuche, V. 134 (1997) 547
Zhang, D., see Zhu, Y. 134 (1997) 205
Zhang, J., see Yu, W. 134 (1996) 91
Zhang, L., see Brady, G.P. 134 (1997) 341
Zhao, M., see Vorontsov, M.A. 134 (1997) 191
Zhao, Y., An analytical model for Pr^{3+}-doped fluoride fibre upconversion lasers 134 (1997) 470
Zhou, P. and S. Swain, Two-photon excitation and quantum interference for a ladder atom in a cavity with injected squeezed light 134 (1997) 127
Zhou, P., S. Swain, G.-X. Li and J.-S. Peng, Atomic emission spectrum including virtual photon transitions in a cavity 134 (1997) 455
Zhu, Y., D. Zhang, X. Niu and X. Wu, High efficiency self-pumped phase conjugation from 45°-cut Ce:$BaTiO_3$ 134 (1997) 205
Zouboulis, I.S., see Petrov, M.P. 134 (1997) 569
Zundu, L., C. Xueyuan and Z. Tingjie, Judd–Ofelt parameter analysis of rare earth anisotropic crystals by three perpendicular unpolarized absorption measurements 134 (1997) 415

ELSEVIER

15 January 1997

Optics Communications 134 (1997) 624–629

OPTICS COMMUNICATIONS

Subject index to volume 134

Propagation, diffraction and scattering

H. Ogura, Z.L. Wang, Y. Sasakura and V. Freilikher, Localization of surface plasmon waves on the surface of a random rough metallic grating with a narrow-band spectrum 1

N.N. Salashchenko and E.A. Shamov, Short-period X-ray multilayers based on Cr/Sc 7

J.A. Sánchez-Gil and J.V. García-Ramos, Strong surface field enhancements in the scattering of p-polarized light from fractal metal surfaces 11

G.H. Meeten, Refraction by spherical particles in the intermediate scattering region 233

A. Mendoza-Suárez and E.R. Méndez, Derivation of an impedance boundary condition for one-dimensional, curved, reentrant surfaces 241

A. Madrazo and A.A. Maradudin, Numerical solutions of the reduced Rayleigh equation for the scattering of electromagnetic waves from rough dielectric films on perfectly conducting substrates 251

Optical information, image formation and analysis, optical computing

F. Thoma, U. Langbein and S. Mittler-Neher, Waveguide scattering microscopy 16

W. Plass, R. Maestle, K. Wittig, A. Voss and A. Giesen, High-resolution knife-edge laser beam profiling 21

S. Morucci, P. Noirard and J.-C. Grossetie, Improvement of Fresnel computer-generated holograms 25

Y. Inouye and S. Kawata, Reflection-mode near-field optical microscope with a metallic probe tip for observing fine structures in semiconductor materials 31

N. Wada, J. Uozumi and T. Asakura, Optical evaluation of fractal surfaces using array illumination 264

E. Pérez and M.S. Millán, Adaptive channel selection for improving chromatic discrimination in colour pattern recognition 273

B. Lunitz and J. Jahns, Tolerant design of a planar-optical clock distribution system 281

I.A. Popov, N.V. Sidorovsky and L.M. Veselov, Statistical properties of non-Gaussian intensity fluctuations in the image plane of an optical system 289

U. Schwarz, M.L. Berthié, D. Courjon and H. Bielefeldt, Simple reflection Scanning Near-field Optical Microscope using the back reflected light inside the laser cavity as detection mode 301

D. Dirksen, F. Matthes, S. Riehemann and G. von Bally, Phase shifting holographic double exposure interferometry with fast photorefractive crystals 310

Optical communications

W.X. Xie, P. Bernage, D. Ramecourt, M. Douay, T. Taunay, P. Niay, B. Boulard, Y. Gao, C. Jacoboni, A. Da Costa, H. Poignant and M. Monerie, UV induced permanent gratings in Ce^{3+} or Eu^{2+} doped PZG glass thin-film waveguides deposited on CaF_2 substrates 36

K.J. Blow, R.J. Manning and A.J. Poustie, Nonlinear optical loop mirrors with feedback and a slow nonlinearity 43

U. Bartuch, U. Peschel, Th. Gabler, R. Waldhäusl and H.-H. Hörhold, Experimental investigations and numerical simulations of spatial solitons in planar polymer waveguides 49

K.-M. Wang, M.-Q. Meng, F. Lu, X. Wang, W. Wang, P.-J. Ding and Y.-G. Liu, Analysis of refractive index profile in $KTiOPO_4$ waveguide formed by 3.0 MeV He^+ implantation 55

H. Hatami-Hanza, P.L. Chu, B.A. Malomed and G.D. Peng, Soliton compression and splitting in double-core nonlinear optical fibers 59

I. Gabitov, E.G. Shapiro and S.K. Turitsyn, Optical pulse dynamics in fiber links with dispersion compensation 317

E. Simova, M. Kavehrad and K. Stoev, Wavelength demultiplexing by chirped waveguide gratings 330

G.P. Brady, K. Kalli, D.J. Webb, D.A. Jackson, L. Zhang and I. Bennion, Extended-range, low coherence dual wavelength interferometry using a superfluorescent fibre source and chirped fibre Bragg gratings 341

J.A. Reyes and R.F. Rodríguez, Guiding of optical fields in a liquid crystal cylindrical fiber 349

H. Saarikoski, R.-P. Salmio, J. Saarinen, T. Eirola and A. Tervonen, Fast numerical solution of nonlinear diffusion equation for the simulation of ion-exchanged micro-optics components in glass 362

Atomic, molecular and plasma physics

I.C.E. Turcu, M.C. Gower and P. Huntington, Measurement of KrF laser breakdown threshold in gases 66

V.E. Peet and R.V. Tsubin, Multiphoton ionization and optical breakdown of xenon in annular laser beams 69

E. Konz, G. Marowsky and H.-G. Rubahn, Two-photon four-wave mixing as a new probe for oxygen atoms 75

A. Piskarskas, A. Stabinis and V. Vaičaitis, Four-photon parametric superfluorescence in sodium vapour under multibeam noncollinear pumping 80

M. Gorris-Neveux, P. Monnot, M. Fichet, M. Ducloy, R. Barbé and J.C. Keller, Doppler-free reflection spectroscopy of rubidium D_1 line in optically dense vapour 85

W. Yu and J. Zhang, An estimate of resonance absorption of picosecond laser pulses by fibre targets 91

J. Enderlein and R. Erdmann, Fast fitting of multi-exponential decay curves 371

I. Rückmann, M. Petrauskas, O. Korth, Th. Hanke and B. Röder, Picosecond transient absorption spectroscopy on 13^2-hydroxy-bacteriopheophorbide-methylester (OH–BPME) molecules in solution and embedded in mixed Langmuir–Blodgett films 379

Z. Ficek and M.R.B. Wahiddin, Pure two-atom squeezed state in spontaneous emission from two non-identical atoms 387

Condensed matter

C. Ludwig, J. Kuhl and J.O. White, Complex dielectric function of $NdGaO_3$ in the THz frequency regime 95

D.L. Russell, B. Henderson, B.H. Chai, J.F.H. Nicholls and K. Holliday, Site selective upconversion in Nd^{3+}:$KLiYF_5$ 398

A.B. Djurišić, J.M. Elazar and A.D. Rakić, Modeling the optical constants of solids using genetic algorithms with parameter space size adjustment 407

L. Zundu, C. Xueyuan and Z. Tingjie, Judd–Ofelt parameter analysis of rare earth anisotropic crystals by three perpendicular unpolarized absorption measurements 415

Quantum optics

K.G. Petrossian, Quantum theory of the nondegenerate parametric $\chi^{(3)}$-interaction 99

A.P. Chu, K.S. Johnson and M.G. Prentiss, A virtual amplitude grating for atomic optics 105

T. Opatrný, D.-G. Welsch and W. Vogel, Multi-mode density matrices of light via amplitude and phase control 112

M.G.A. Paris, A.V. Chizhov and O. Steuernagel, Phase space distributions from three-port couplers 117

E. Mariotti, M. Meucci, P. Bicchi, C. Marinelli and L. Moi, An efficient photo-atom source 121

P. Zhou and S. Swain, Two-photon excitation and quantum interference for a ladder atom in a cavity with injected squeezed light 127

M. Schiffer, M. Christ, G. Wokurka and W. Ertmer, Temperatures near the recoil limit in an atomic funnel 423

A. Wicht, K. Danzmann, M. Fleischhauer, M. Scully, G. Müller and R.-H. Rinkleff, White-light cavities, atomic phase coherence, and gravitational wave detectors 431

S.T. Gevorkyan, G.Yu. Kryuchkyan and K.V. Kheruntsyan, Noise, instability and squeezing in third harmonic generation 440

T. Gruner and D.-G. Welsch, Photon tunneling through absorbing dielectric barriers 447

P. Zhou, S. Swain, G.-X. Li and J.-S. Peng, Atomic emission spectrum including virtual photon transitions in a cavity 455

M. Fiorentino, P. Maddalena, A. Porzio, R. Romano and S. Solimeno, Low frequency spectrum of vacuum squeezed radiation to be used in GW antennas 463

Lasers

J. Itatani, Y. Nabekawa, K. Kondo and S. Watanabe, Generation of 13-TW, 26-fs pulses in a Ti:sapphire laser 134

H.M. Pask, A.C. Tropper and D.C. Hanna, A Pr^{3+}-doped ZBLAN fibre upconversion laser pumped by an Yb^{3+}-doped silica fibre laser 139

G.N. Tsikrikas and A.A. Serafetinides, Discharge and circuit simulation of a plasma cathode TEA HF laser operating with a $He/SF_6/C_3H_8$ gas mixture 145

S.K. Dixit, S.R. Daulatabad, P.K. Shukla and R. Bhatnagar, Diffraction filtered resonator for Rh6G dye laser transversely pumped by a copper vapor laser 149

P. Peterson, M.P. Sharma and A. Gavrielides, Modeling of Yb:YAG tuning curves 155

J. Theimer and J.W. Haus, Dispersion balanced figure-eight laser 161

J.-F. Ripoche, B. Prade, M. Franco, G. Grillon, R. Lange and A. Mysyrowicz, Determination of the duration of UV femtosecond pulses 165

S.L. Huang, F.J. Kao, L.R. Liu and C.S. Hsu, Frequency-offsetted cavity-length control loop in a diode-laser-pumped and actively mode-locked Nd:YLF laser 171

R. Koch, W.A. Clarkson, D.C. Hanna, S. Jiang, M.J. Myers, D. Rhonehouse, S.J. Hamlin, U. Griebner and H. Schönnagel, Efficient room temperature cw Yb:glass laser pumped by a 946 nm Nd:YAG laser 175

A. Klehr, U. Mertingk, R. Müller and R. Oberschmid, Influence of external optical feedback on polarization switching in InGaAsP/InP lasers 179

Y. Zhao, An analytical model for Pr^{3+}-doped fluoride fibre upconversion lasers 470

O. Acef, Metrological properties of CO_2/OsO_4 optical frequency standard 479

M.G. Kong, Enhanced amplification of a waveguide free electron laser prebunched at multiharmonic frequencies 487

J. Badziak, S.A. Chizhov, A.A. Kozlov, J. Makowski, M. Paduch, K. Tomaszewski, A.B. Vankov and V.E. Yashin, Picosecond, terawatt, all-Nd:glass CPA laser system 495

S. Bollanti, P. Di Lazzaro and D. Murra, How many times is a laser beam diffraction-limited? 503

N. Korneev, P. Rodríguez and S. Stepanov, 2D pattern matching with adaptive photodetectors 514

H. Ninomiya and K. Nakamura, Ar_2^* excimer emission from a pulsed electric discharge in pure Ar gas 521

Nonlinear optics

C. McGowan, D.T. Reid, M. Ebrahimzadeh and W. Sibbett, Femtosecond pulses tunable beyond 4 μm from a KTA-based optical parametric oscillator 186

M.A. Vorontsov, M. Zhao and D.Z. Anderson, Nonlinear dynamics of a 2D feedback system with photorefractive gain 191

F. Wang, L. Liu and G. Li, Self-pumped forward and backward phase conjugator with Cu-doped KNSBN crystal: caused by scattering-oscillation-amplification 195

S. Szatmári, Z. Bakonyi and P. Simon, Active spatial filtering of laser beams 199

Y. Zhu, D. Zhang, X. Niu and X. Wu, High efficiency self-pumped phase conjugation from 45°-cut Ce:$BaTiO_3$ 205

M. Chauvet, T. Towe, G.J. Salamo, D.F. Bliss, G. Bryant and G. Iseler, Phase shift between index and intensity patterns in photorefractive two-wave mixing experiments in InP:Fe 211

C.-W. Chang and S. Chi, Passive mode-locking through nonlinear polarization rotation in low-birefringence fibers 218

G. Leo, G. Assanto and W.E. Torruellas, Beam pointing control with spatial solitary waves in quadratic nonlinear media 223

S. Juodkazis, V. Netiksis, M. Petrauskas, H.J. Eichler, B. Smandek and Y. Ding, Contactless determination of the dominant photorefractive mobile charge by comparing cw and ps two-wave mixing 227

F.E. Hernández, A. Marcano O and H. Maillotte, Sensitivity of the total beam profile distortion Z-scan for the measurement of nonlinear refraction 529

R. Böhm, V.M. Baev and P.E. Toschek, Measurements of operation parameters and nonlinearity of a Nd^{3+}-doped fibre laser by relaxation oscillations 537

V. Lecoeuche, B. Ségard and J. Zemmouri, Modes of destabilization of Brillouin fiber ring lasers 547

F. Vaudelle, J. Gazengel and G. Rivoire, Experimental studies of the spatial coherence of forward stimulated Raman scattering in dense materials 559

M.P. Petrov, V.M. Petrov, I.S. Zouboulis and L.P. Xu, Two-wave and induced three-wave mixing on a thin $Bi_{12}TiO_{20}$ hologram 569

Ph. Delaye, L.A. de Montmorillon, I. Biaggio, J.C. Launay and G. Roosen, Wavelength dependent effective trap density in CdTe: evidence for the presence of two photorefractive species 580

Y. Li, F. Hou, S. Liu, W. Sun and K. Xu, Photorefractive properties with multiple traps and two types of charge carriers in doped KNSBN crystals 591

S. Breugnot, M. Defour and J.P. Huignard, Photorefractive two-wave mixing: complex amplitudes solutions in the case of a weak signal beam 599

F. Jeannès, E. Lugagne-Delpon, C. Tanguy and J.L. Oudar, Nonlinear optical and bistable properties of a wafer-fused vertical-cavity device based on InGaAsP 607